Search

```
=> file reg
FILE 'REGISTRY' ENTERED AT 16:30:07 ON 17 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)


=> display history full l1-

      FILE 'LREGISTRY' ENTERED AT 14:42:09 ON 17 MAY 2006
L1             STR
L2             STR

      FILE 'REGISTRY' ENTERED AT 14:52:16 ON 17 MAY 2006
L3         15 SEA SSS SAM L1 AND L2
L4            SCR 2043 OR 2077
L5          4 SEA SSS SAM L1 AND L2 NOT L4
              E TITANIUM TETRAETHOXIDE/CN
L6          1 SEA "TITANIUM TETRAETHOXIDE"/CN
L7       1135 SEA SSS FUL L1 AND L2 NOT L4
              SAV L7 CAM613/A
              ACT FALCS/A
              ----------
L8             STR
L9             STR
L10            STR
L11            STR
L12            SCR 1312 OR 1700
L13            SCR 1943
L14            SCR 1838 OR 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 2043
L15            SCR 2010
L16            SCR 963
L17 (   33474) SEA SSS FUL (L8 OR L9 OR L10 OR L11) AND L12 AND L13 AND
               L16 NOT (L14 OR L15)
L18     15710  SEA SUB=L17 SSS FUL L11
               ----------
L19     14790  SEA L18 NOT 1<NC
               E SILICA/CN
L20         1  SEA SILICA/CN
               E ALUMINA/CN
L21         1  SEA ALUMINA/CN

      FILE 'HCA' ENTERED AT 16:01:41 ON 17 MAY 2006
L22     46224  SEA L7 OR TEOS
L23    158760  SEA L19 OR (FATTY OR LONGCHAIN? OR LONG?(2A)CHAIN? OR
               ALIPH? OR C6 OR C7 OR C8 OR C9 OR C10 OR C11 OR C12 OR
               C13 OR C14 OR C15 OR C16 OR C17 OR C18)(2A)(ALC# OR
               ALCOHOL##) OR DECANOL# OR OCTADECANOL# OR OLEYL#(A)(ALC#
```

```
                 OR ALCOHOL##) OR DODECANOL# OR DODECADIENOL#
L24      724738  SEA L20 OR (SILICON OR SI)(W)(OXIDE# OR DIOXIDE#) OR
                 SILICA# OR SIO2
L25      503383  SEA L21 OR (ALUMINUM# OR AL)(W)(OXIDE# OR TRIOXIDE#) OR
                 ALUMINA# OR AL2O3

         FILE 'LCA' ENTERED AT 16:07:20 ON 17 MAY 2006
L26       10452  SEA (SUBSTRAT? OR SURFACE? OR BASE# OR SUBSTRUCT? OR
                 UNDERSTRUCT? OR UNDERLAY? OR FOUNDATION? OR PANE? OR
                 DISK? OR DISC# OR WAFER?)/BI,AB

         FILE 'HCA' ENTERED AT 16:09:46 ON 17 MAY 2006
L27       56618  SEA L24(2A)L26
L28       37737  SEA L25(2A)L26
L29        2681  SEA (L27 OR L28) AND L22
L30          41  SEA L29 AND L23
L31       99826  SEA MONOLAYER? OR MONOFILM? OR MONOCOAT? OR MONO(2A)(LAYE
                 R? OR FILM? OR COAT?)
L32           0  SEA L30 AND L31
                 E COATINGS/CV
L33       43471  SEA "COATING(S)"/CV OR COATINGS/CV
                 E COATING MATERIALS/CV
L34      275387  SEA "COATING MATERIALS."/CV
                 E COATING PROCESS/CV
L35      127393  SEA "COATING PROCESS"/CV
L36           7  SEA L30 AND (L33 OR L34 OR L35)
L37        1495  SEA L22 AND L23
L38           2  SEA L37 AND L31
L39           2  SEA L38 AND (L24 OR L25)
L40       61451  SEA (OXIDA? OR OXIDI? OR OXIDN#)(2A)L26
L41           6  SEA L40 AND L22 AND L23
L42        7599  SEA (HYDROPHOB? OR LIPOPHIL?)(2A)(FILM? OR LAYER? OR
                 COAT?)
L43           0  SEA L30 AND L42
L44           2  SEA L22 AND L23 AND L42

         FILE 'HCAPLUS' ENTERED AT 16:22:53 ON 17 MAY 2006
L45        4260  SEA MILLER S?/AU
L46      157167  SEA HYDROPHOB?
L47          23  SEA L45 AND L46

         FILE 'REGISTRY' ENTERED AT 16:24:51 ON 17 MAY 2006
                 E SILICON/CN
L48           1  SEA SILICON/CN

         FILE 'HCA' ENTERED AT 16:25:20 ON 17 MAY 2006
L49      491568  SEA L48 OR (SILICON OR SI)(2A)L26
L50       45601  SEA PASSIVAT?
```
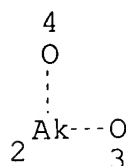
```
L51          1495 SEA L22 AND L23
L52             1 SEA L51 AND L50
L53            34 SEA L51 AND L49
L54            18 SEA L36 OR L38 OR L39 OR L41 OR L44 OR L52
L55            32 SEA L30 NOT L54
L56            29 SEA L53 NOT (L54 OR L55)
L57            15 SEA L54 AND 1840-2003/PY,PRY
L58            27 SEA L55 AND 1840-2003/PY,PRY
L59            26 SEA L56 AND 1840-2003/PY,PRY
```
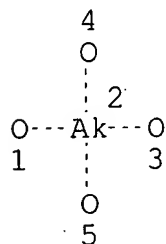
FILE 'REGISTRY' ENTERED AT 16:30:07 ON 17 MAY 2006


```
=> d l18 que stat
L8                STR

    4
    O
    ┊        
   Ak---O
  2     3
```

NODE ATTRIBUTES:
CONNECT IS E2 RC AT   2
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   3

STEREO ATTRIBUTES: NONE
```
L9                STR

    4
    O
    ┊ 2
O---Ak---O
1   ┊    3
    O
    5
```

NODE ATTRIBUTES:
CONNECT IS E4 RC AT   2
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT   2

GRAPH ATTRIBUTES:
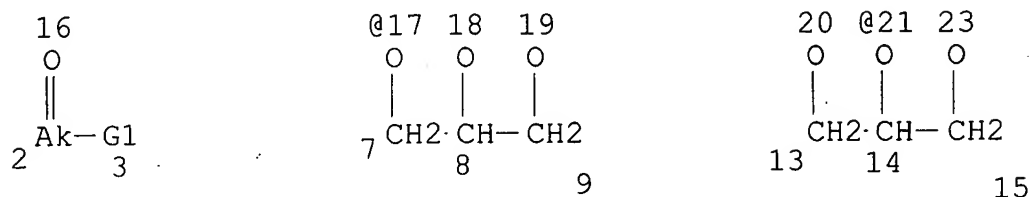RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
L10   STR

```
   16              @17 18  19          20 @21 23
   O               O   O   O           O   O   O
   ‖               |   |   |           |   |   |
  Ak—G1          7 CH2·CH—CH2         CH2·CH—CH2
 2    3            8          13   14
                          9                     15
```
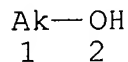
VAR G1=17/21
NODE ATTRIBUTES:
CONNECT IS E2 RC AT   2
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE
L11   STR

Ak—OH
1   2

NODE ATTRIBUTES:
CONNECT IS E1 RC AT   1
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT   1

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   2

STEREO ATTRIBUTES: NONE
L12   SCR 1312 OR 1700
L13   SCR 1943
L14   SCR 1838 OR 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 2043
L15   SCR 2010
L16   SCR 963

L17 (33474)SEA FILE=REGISTRY SSS FUL (L8 OR L9 OR L10 OR L11) AND
               L12 AND L13 AND L16 NOT (L14 OR L15)
L18   15710 SEA FILE=REGISTRY SUB=L17 SSS FUL L11

100.0% PROCESSED   33474 ITERATIONS   15710 ANSWERS
SEARCH TIME: 00.01.33